

1 2X  
RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/253,973

AU 1211 #11

DATE: 05/25/96  
TIME: 13:34:07Hartly  
INPUT SET: S10757.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

## (1) General Information:

(i) APPLICANT: McBride, William  
Dean, Richard T.

ENTERED

(ii) TITLE OF INVENTION: Monoamine, Diamide, Thiol-containing  
Metal Chelating Agents

(iii) NUMBER OF SEQUENCES: 9

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Banner & Allegretti, Ltd.  
(B) STREET: 10 South Wacker Drive Suite 3000  
(C) CITY: Chicago  
(D) STATE: Illinois  
(E) COUNTRY: USA  
(F) ZIP: 60606

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/253,973  
(B) FILING DATE: 03-JUN-1995  
(C) CLASSIFICATION:

## (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Noonan, Kevin E  
(B) REGISTRATION NUMBER: 35,303  
(C) REFERENCE/DOCKET NUMBER: 91,875-J

## (ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 312 715 1000  
(B) TELEFAX: 312 715 1234  
(C) TELEX: 910-221-5317

## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 19 amino acids

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47 (B) TYPE: amino acid  
48 (D) TOPOLOGY: linear  
49  
50 (ii) MOLECULE TYPE: peptide  
51  
52 (ix) FEATURE:  
53 (A) NAME/KEY: Modified-site  
54 (B) LOCATION: 19  
55 (D) OTHER INFORMATION: /label= Amide  
56 /note= "The carboxyl terminus is modified to an  
57 amide"  
58  
59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
60  
61 Gly Gly Cys Ser Ile Pro Pro Glu Val Lys Phe Asn Lys Pro Phe Val  
62 1 5 10 15  
63  
64 Tyr Leu Ile  
65  
66  
67 (2) INFORMATION FOR SEQ ID NO:2:  
68  
69 (i) SEQUENCE CHARACTERISTICS:  
70 (A) LENGTH: 19 amino acids  
71 (B) TYPE: amino acid  
72 (D) TOPOLOGY: linear  
73  
74 (ii) MOLECULE TYPE: peptide  
75  
76 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
77  
78 Gly Gly Cys Ser Ile Pro Pro Glu Val Lys Phe Asn Lys Pro Phe Val  
79 1 5 10 15  
80  
81 Tyr Leu Ile  
82  
83  
84 (2) INFORMATION FOR SEQ ID NO:3:  
85  
86 (i) SEQUENCE CHARACTERISTICS:  
87 (A) LENGTH: 6 amino acids  
88 (B) TYPE: amino acid  
89 (D) TOPOLOGY: linear  
90  
91 (ii) MOLECULE TYPE: peptide  
92  
93 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
94  
95 Gly Gly Cys Gly Leu Phe  
96 1 5  
97  
98  
99 (2) INFORMATION FOR SEQ ID NO:4:

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100  
101 (i) SEQUENCE CHARACTERISTICS:  
102 (A) LENGTH: 19 amino acids  
103 (B) TYPE: amino acid  
104 (D) TOPOLOGY: linear  
105  
106 (ii) MOLECULE TYPE: peptide  
107  
108 (ix) FEATURE:  
109 (A) NAME/KEY: Modified-site  
110 (B) LOCATION: 19  
111 (D) OTHER INFORMATION: /label= Amide  
112 /note= "The carboxyl terminus is modified to an  
113 amide"  
114  
115 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
116  
117 Arg Gly Cys Ser Ile Pro Pro Glu Val Lys Phe Asn Lys Pro Phe Val  
118 1 5 10 15  
119  
120 Tyr Leu Ile  
121  
122  
123 (2) INFORMATION FOR SEQ ID NO:5:  
124  
125 (i) SEQUENCE CHARACTERISTICS:  
126 (A) LENGTH: 18 amino acids  
127 (B) TYPE: amino acid  
128 (D) TOPOLOGY: linear  
129  
130 (ii) MOLECULE TYPE: peptide  
131  
132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
133  
134 Arg Gly Cys Gln Ala Pro Leu Tyr Lys Lys Ile Ile Lys Lys Leu  
135 1 5 10 15  
136  
137 Leu Glu Ser  
138  
139  
140 (2) INFORMATION FOR SEQ ID NO:6:  
141  
142 (i) SEQUENCE CHARACTERISTICS:  
143 (A) LENGTH: 30 amino acids  
144 (B) TYPE: amino acid  
145 (D) TOPOLOGY: linear  
146  
147 (ii) MOLECULE TYPE: peptide  
148  
149 (ix) FEATURE:  
150 (A) NAME/KEY: Modified-site  
151 (B) LOCATION: 30  
152 (D) OTHER INFORMATION: /label= Amide

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153 /note= "The carboxyl terminus is modified to an  
154 amide"  
155  
156 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
157  
158 Arg Gly Cys Gly His Arg Pro Leu Asp Lys Lys Arg Glu Glu Ala Pro  
159 1 5 10 15  
160  
161 Ser Leu Arg Pro Ala Pro Pro Pro Ile Ser Gly Gly Tyr Arg  
162 20 25 30  
163  
164

## 165 (2) INFORMATION FOR SEQ ID NO:7:

166  
167 (i) SEQUENCE CHARACTERISTICS:  
168 (A) LENGTH: 14 amino acids  
169 (B) TYPE: amino acid  
170 (D) TOPOLOGY: linear  
171  
172 (ii) MOLECULE TYPE: peptide  
173  
174 (ix) FEATURE:  
175 (A) NAME/KEY: Modified-site  
176 (B) LOCATION: 14  
177 (D) OTHER INFORMATION: /label= Amide  
178 /note= "The carboxyl terminus is modified to an  
179 amide"  
180

## 181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

182  
183 Gly Gly Cys Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met  
184 1 5 10  
185  
186  
187

## 188 (2) INFORMATION FOR SEQ ID NO:8:

189  
190 (i) SEQUENCE CHARACTERISTICS:  
191 (A) LENGTH: 13 amino acids  
192 (B) TYPE: amino acid  
193 (D) TOPOLOGY: linear  
194  
195 (ii) MOLECULE TYPE: peptide  
196  
197 (ix) FEATURE:  
198 (A) NAME/KEY: Modified-site  
199 (B) LOCATION: 7  
200 (D) OTHER INFORMATION: /label= D-Phe  
201 /note= "The phenylalanine residue is in the D-  
202 stereochemical configuration"  
203

204 (ix) FEATURE:  
205 (A) NAME/KEY: Modified-site

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206 (B) LOCATION: 9  
207 (D) OTHER INFORMATION: /label= D-Trp  
208 /note= "The tryptophan residue is in the D-  
209 stereochemical configuration"  
210  
211 (ix) FEATURE:  
212 (A) NAME/KEY: Modified-site  
213 (B) LOCATION: 13  
214 (D) OTHER INFORMATION: /label= Amide  
215 /note= "The carboxyl terminus is modified to an  
216 amide"  
217  
218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
219  
220 Ala Lys Cys Gly Gly Gly Phe Tyr Trp Lys Thr Phe Thr  
221 1 5 10  
222  
223  
224  
225 (2) INFORMATION FOR SEQ ID NO:9:  
226  
227 (i) SEQUENCE CHARACTERISTICS:  
228 (A) LENGTH: 8 amino acids  
229 (B) TYPE: amino acid  
230 (D) TOPOLOGY: linear  
231  
232 (ii) MOLECULE TYPE: peptide  
233  
234 (ix) FEATURE:  
235 (A) NAME/KEY: Modified-site  
236 (B) LOCATION: 8  
237 (D) OTHER INFORMATION: /label= Amide  
238 /note= "The carboxyl terminus is modified to an  
239 amide"  
240  
241 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
242  
243 Gly Gly Cys Phe Val Tyr Leu Ile  
244 1 5

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/253,973**

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Original Text